

97-99E - Sequence List
SEQUENCE LISTING

<110> The Board of Trustees of the University of Illinois
Wittrup, et al.

<120> Yeast Cell Surface Display of Proteins and Uses Thereof

<130> 97-99E

<140> not available

<141> 2003-12-16

<150> US 09/724,108

<151> 2000-11-28

<150> US 09/009,388

<151> 1998-01-20

<150> US 08/866,398

<151> 1997-05-30

<150> US 60/018,741

<151> 1996-05-31

<160> 26

<170> PatentIn version 3.0

<210> 1

<211> 9

<212> PRT

<213> Unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 1

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 2

<211> 10

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 2

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 3

<211> 6

<212> PRT

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<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 3

Asp Thr Tyr Arg Tyr Ile
1 5

<210> 4

<211> 6

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 4

Thr Asp Phe Tyr Leu Lys
1 5

<210> 5

<211> 9

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 5

Glu Glu Glu Glu Tyr Met Pro Met Glu
1 5

<210> 6

<211> 11

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 6

Lys Pro Pro Thr Pro Pro Pro Glu Pro Glu Thr
1 5 10

<210> 7

<211> 6

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<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
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<400> 7

His His His His His His
1 5

<210> 8
<211> 5
<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 8

Arg Tyr Ile Arg Ser
1 5

<210> 9
<211> 8
<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 9

Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 10
<211> 30
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCT primer towards AGA2 gene of S. cerevisiae

<400> 10
attagaattc cctacttcat acatTTTCAA

30

<210> 11
<211> 73

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<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()

<223> PCT primer towards AGA2 gene of S. cerevisiae

<400> 11
attactcgag ctattactgc agagcgtagt ctggaacgtc gtatggtaa aaaacatact
gtgtgtttat ggg

60

73

<210> 12
<211> 71
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()

<223> PCT primer towards the factor Xa recognition sequence

<400> 12
tcgacgattg aaggttagata cccatacgac gttccagact acgctctgca gtaatagatt
atcctcgagc t

60

71

<210> 13
<211> 63
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()

<223> PCR primer towards the factor Xa recognition sequence

<400> 13
cgaggataat ctattactgc agagcgtagt ctggaacgtc gtatggtat ctaccttcaa
tcg

60

63

<210> 14
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()

<223> PCR primer towards Gal promoter

<400> 14
aattggtaacc

10

<210> 15
<211> 10
<212> DNA
<213> artificial sequence

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<220>
<221> misc_feature
<222> ()..()
<223> PCR primer towards Gal promoter

<400> 15
gatcgaaattc 10

<210> 16
<211> 34
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCR primer towards 4-4-20 scFv

<400> 16
ggttggccaa gctagcgacg tcgttatgac tcaa 34

<210> 17
<211> 70
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCR primer towards 4-4-20 scFv

<400> 17
ggccggccaa ctcgagctat tacaagtctt cttcagaaat aagttttgt tctgaggaga 60
cggtgactga 70

<210> 18
<211> 30
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCR primer towards AGA1 gene of S. cerevisiae

<400> 18
attagaattc agctaaaaaa accaaaaaat 30

<210> 19
<211> 33
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCR primer towards AGA1 gene of S. cerevisiae

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<400> 19		
attactcgag ctattaactg aaaattacat tgc		33
<210> 20		
<211> 1172		
<212> DNA		
<213> artificial sequence		
<220>		
<221> misc_feature		
<222> ()..()		
<223> Cloned PCR products to produce AFA2-HA-4-4-20 gene cassette		
<400> 20		
attagaattc cctacttcat acatttcaa ttaagatgca gttacttcgc tgttttcaa	60	
tatttctgt tattgcttca gtttagcac aggaactgac aactatatgc gagcaaatcc	120	
cctcaccaac tttagaatcg acgccgtact ctttgtcaac gactactatt ttggccaacg	180	
ggaaggcaat gcaaggagtt tttgaatatt acaaatcagt aacgtttgc agtaattgcg	240	
gttctcaccc ctcaacaact agcaaaggca gccccataaa cacacagtat gttttaagg	300	
acaatagctc gacgattgaa ggtagatacc catacgacgt tccagactac gctctgcagg	360	
ctagcgacgt cgttatgact caaacaccac tatcaettcc tgttagtcta ggagatcaag	420	
cctccatctc ttgcagatct agtcagagcc ttgtacacag taatggaaac acctattac	480	
gttggtacct gcagaagcca ggccagtctc caaaggcct gatctacaaa gtttccaacc	540	
gatttctgg ggtcccagac aggttcagtg gcagtggatc agggacagat ttcacactca	600	
agatcagcag agtggaggct gaggatctgg gagtttattt ctgctctcaa agtacacatg	660	
ttccgtggac gttcggtgga ggcaccaagc ttgaaattaa gtccctctgct gatgatgcta	720	
agaaggatgc tgctaagaag gatgatgcta agaaagatga tgctaagaaa gatggtgacg	780	
tcaaactgga tgagactgga ggaggcttgg tgcaacctgg gagGCCatg aaactctcct	840	
gtgtgcctc tggattcaact tttagtgact actggatgaa ctgggtccgc cagtctccag	900	
agaaaggact ggagtggta gcacaaatta gaaacaaacc ttataattat gaaacatatt	960	
attcagattc tgtgaaaggc agattcacca tgtcaagaga tgattccaaa agtagtgtct	1020	
acctgcaaat gaacaactta agagttgaag acatgggtat ctattactgt acgggttctt	1080	
actatggtat ggactactgg ggtcaaggaa cctcagtcac cgtctcctca gaacaaaagc	1140	
ttatttctga agaagacttg taatagctcg ag	1172	
<210> 21		
<211> 366		
<212> DNA		
<213> artificial sequence		

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<220>
<221> misc_feature
<222> ()..()
<223> PCR products of wild type scFv-KJ16

<400> 21
gacgtcctgg tgacccaaac tcctgcctcc ctgtctgcat ctccggatga atctgtcacc 60
atcacatgcc aggcaagcca ggacattggt acttcgttag tttggtatca gcagaaacca 120
gggaaatctc ctcagctcct ggtctatagt gcaactatct tggcagatgg ggtcccatca 180
aggttcagtgcagtagatc tggcacacag tattctctta agatcaacag actacaggtt 240
gaagatattg gaacctatttta ctgtctacag gtttctagtt ctccgtacac gtttggagct 300
ggcaccaagc tggagctcaa acggtcctca gaacaaaagc ttatttccga agaagatttg 360
tagtaa 366

<210> 22
<211> 366
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCR products of KJ16-mut4

<400> 22
gacgtcctgg tgacccaaac tcctgcctcc ctgtctgcat ctccggatga atctgtcacc 60
atcacatgcc aggcaagcca ggacattggt acttcgttag tttggtatca gcagaaacca 120
gggaaatctc ctcagctcct ggtctatagt gcaactatct tggcagatgg ggtcccatca 180
aggttcagtgcagtagatc tggcacacag tattctctta agatcaacag actacaggtt 240
gaagatattg gaacctatttta ctgtctacag gtttctagtt ctccgtacac gtttggagct 300
ggcaccaagc tggagctcaa acggtcctca gaacaagagc ttatttccga agaagatttg 360
tagtaa 366

<210> 23
<211> 366
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCR products of KJ16-mut7

<400> 23
gacgtcctgg tgacccaaac tcctgcctcc ctgtctgcat ctccggatga atctgtcacc 60
atcacatgcc aggcacgcca ggacattggt acttcgttag tttggtatca gcagaaacca 120

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gggaaatctc ctcagctcct ggtctatagt gcaactatct tggcagatgg ggtcccatca 180
aggttcagtg gcagtaaatc tggcacacag tattctctta agatcaacag actacaggtt 240
gaagatattg gaacctatta ctgtctacag gtttcttagtt ctccgtacac gtttggagct 300
ggcaccaagc tggagctcaa acggcctca gaacaaaagc ttatccga agaagatttg 360
tagtaa 366

<210> 24
<211> 747
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> Sequence showing mutations in T-cell receptor

<400> 24
gacgtcgtag tcacccaaag cccaagaaac aaggtggcag taacaggagg aaaggtgaca 60
ttgagctgta atcagactaa taaccacaac aacatgtact ggtatcgca ggacacgggg 120
catggctga ggctgatcca ttattcatat ggtgctggca gcactgagaa aggagatatc 180
cctgatggat acaaggcctc cagaccaagc caagagaact tctccctcat tctggagttg 240
gctacccct ctcagacatc agtgtacttc tgtgccagcg gtgggggggg caccttgtac 300
tttggtgcgg gcacccgact atcggtgcta tcctccgcgg atgatgctaa gaaggatgct 360
gctaagaagg atgatgctaa gaaagatcat gctaagaaag atgcacagtc agtacacag 420
cccgtgctc gcgtcactgt ctctgaagga gcctctctgc agctgagatg caagtattcc 480
tactctgcga cactttatct gttctggat gtccagtacc cgccgcaggd gctgcagctg 540
ctcctcaagt actattccgg agacccagtg gttcaaggag tgaatggctt tgaggctgag 600
ttcagcaaga gcaactcttc cttccacctg cgaaagcct ccgtgcactg gagcgactcg 660
gctgtgtact tctgtgctgt gagcggctt gcaagtgcgc tgacatttg atctggcaca 720
aaagtcatgg ttctaccata catctag 747

<210> 25
<211> 15
<212> PRT
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> Linker between PCR products to maintain correct reading frame

<400> 25

Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
1 5 10 15

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<210> 26
<211> 4
<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 26

Ile Glu Gly Arg
1